

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 02214445
PUBLICATION DATE : 27-08-90

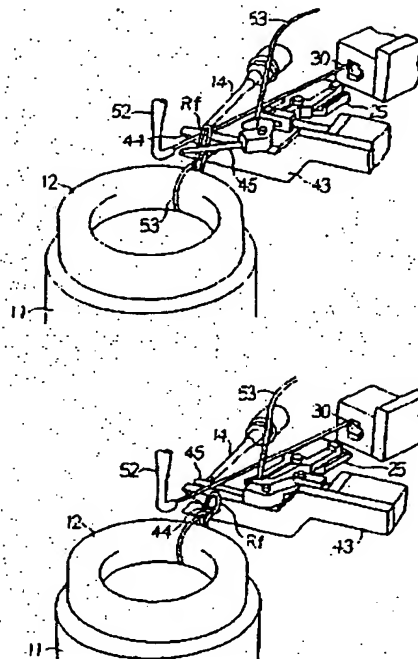
APPLICATION DATE : 14-02-89
APPLICATION NUMBER : 01034157

APPLICANT : SANKO KIKI KK;

INVENTOR : SUZUKI TAKASHI;

INT.CL : H02K 15/04

TITLE : STATOR COIL BUNDLING DEVICE



ABSTRACT : **PURPOSE:** To maintain good bundling conditions by inserting a clammer into the final loop of thread thereby grasping the thread and pulling it out from the loop while simultaneously rolling a bush and squeezing a knot to a stator coil thereby suppressing variability of the coil end due to loosening of thread.

CONSTITUTION: Under a condition where the final loop Rf of thread finished of entanglement is held by a lacing drill 14, a clammer 25 is inserted in order to widen the loop. Then a thread 53 is pulled by means of a pull rod 30 so that one wire passed through the open tip of the clammer. Thereafter, the tip of the clammer is closed to grip the wire and the pulled portion of the thread is cut off. Then the clammer is retreated and the gripped thread is pulled out through the loop. A bush 43 is advanced according to thus formed knot and the thread is inserted into a cut 44. Then the clammer is retreated with the bush being rolled and the knot is squeezed thus bundling the coil. Through such an arrangement, the coil can be bundled well with the coil end being arranged.

COPYRIGHT: (C) JPO

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-214445

(43)Date of publication of application : 27.08.1990

(51)Int.Cl.

H02K 15/04

(21)Application number : 01-034157

(71)Applicant : SANKO KIKI KK

(22)Date of filing : 14.02.1989

(72)Inventor : SUZUKI TAKASHI

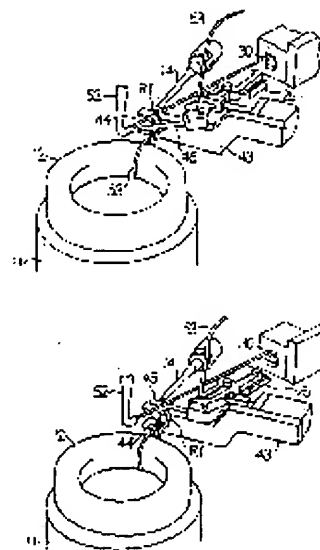
(54) STATOR COIL BUNDLING DEVICE

(57)Abstract:

PURPOSE: To maintain good bundling conditions by inserting a clamber into the final loop of thread thereby grasping the thread and pulling it out from the loop while simultaneously rolling a busher and squeezing a knot to a stator coil thereby suppressing variability of the coil end due to loosening of thread.

CONSTITUTION: Under a condition where the final loop Rf of thread finished of entanglement is held by a lacing drill 14, a clamber 25 is inserted in order to widen the loop. Then a thread 53 is pulled by means of a pull rod 30 so that one wire passed through the open tip of the clamber. Thereafter, the tip of the clamber is closed to grip the wire and the pulled portion of the thread is cut off. Then the clamber is retreated and the gripped thread is pulled out through the loop. A busher 43 is advanced according to thus formed knot and the thread is inserted into a cut 44. Then the clamber is retreated with the busher being rolled and the knot is squeezed thus bundling the coil. Through such an arrangement, the coil can be

bundled well with the coil end being arranged.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office